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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVI, No. 3 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — March, 1968

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1968, averaged 127,382 barrels daily, an increase of 17,037 barrels from the average February production of 110,345.

The nine refineries in the state processed 99,043 barrels of crude oil daily for the month of March, 1968, a decrease of 15,308 barrels from the 114,351 barrels processed daily during the month of February, 1968.

During March, 78 wells were completed, 41 oil, 2 gas wells and 35 dry holes.

During March, the commission issued 56 permits to drill new wells, a decrease of 34 from the 90 permits issued during February.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF MARCH, 1968

IN STORAGE MARCH 1st	
By Producers	458,401
By Transporters	1,023,037
By Refiners	642,690
TOTAL STORAGE	2,124,128
Produced in Montana During Month	3,948,861
Imported During Month	2,337,205
TOTALS	8,410,194
DISPOSITION:	
Refined in Montana	3,070,336
Exported	2,811,900
Used for Fuel or Lost	22,299
TOTAL	5,904,535
IN STORAGE MARCH 31st	
By Producers	457,799
By Transporters	1,206,686
By Refiners	841,174
TOTAL STORAGE	2,505,659

NATURAL GAS WITHDRAWALS IN MONTANA

Month of March, 1968

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	99,979
Bowdoin	193,610
Bowes	47,515
Cabin Creek	110,787
Cedar Creek	222,539
Cut Bank (Including Reagan)	757,440
Devon	0
Dry Creek	9,930
Elk Basin	98,979
Flat Coulee	10,170
Gold Butte	5,447
Golden Dome	0
Grandview	6,347
Hardin	2,643
Keith Block	320,781
Kevin Sunburst	60,843
Lake Basin	113,526
Middle Butte	3,218
Mt. Lilly	49,240
Pine	70,218
Plevna	10,076
Utopia	121,168
Whitlash	110,199
Miscellaneous	170,130
TOTAL	2,594,785

Total withdrawals for March, 1967 were 3,012,397.

PRODUCERS REPORT—MONTH OF MARCH, 1968

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	374	3,658	----------	3,707	----------	325
...	Bannatyne	----------	467	----------	----------	----------	----------	467
5	Bear's Den	7	1,754	1,452	----------	1,345	----------	1,861
55	Bell Creek	233	119,280	1,215,427	1,210,908	----------	4,091	119,708
1	Benrud	1	347	1,100	1,100	----------	----------	347
1	Benrud East	1	803	9,400	9,703	----------	----------	500
1	Benrud Northeast	1	495	9,075	8,833	----------	----------	737
1	Berthelote	1	428	333	333	----------	----------	428
5	Big Wall	21	2,349	23,309	23,961	----------	----------	1,697
5	Blackfoot	8	1,511	3,396	1,321	2,212	----------	1,374
5	Border	6	----------	2,590	----------	2,590	----------	----------
1	Bowes	52	4,663	16,146	16,803	----------	----------	4,006
2	Bradley	2	804	731	742	----------	----------	793
2	Brady	2	617	432	432	----------	----------	617
2	Cabin Creek	102	6,636	298,193	298,293	----------	----------	6,536
12	Cat Creek	64	2,703	17,847	16,190	1,260	----------	3,100
1	Clark's Fork	1	164	185	----------	179	----------	170
1	Conrad South	1	662	846	846	----------	----------	662
...	Cupton	----------	1,181	----------	----------	----------	----------	1,181
149	Cut Bank	1,006	85,952	308,429	312,125	206	1,358	80,692
2	Deer Creek	3	668	2,762	2,250	----------	----------	1,180
1	Delphia	1	266	605	----------	396	----------	475
2	Devil's Basin	2	714	665	523	195	----------	661
13	Dwyer	13	5,909	20,279	21,135	----------	----------	5,053
4	Elk Basin	57	2,253	219,318	219,066	----------	----------	2,505
5	Elk Basin Northwest	4	3,390	9,586	10,980	----------	----------	1,996
6	Fairview	6	6,838	70,806	62,109	7,643	567	7,325
2	Fertile Prairie	2	1,003	1,429	1,315	----------	----------	1,117
23	Flat Coulee	25	4,450	18,217	17,558	----------	----------	5,109
39	Flat Lake	52	5,562	76,047	75,295	----------	----------	6,314
1	Flat Lake South	1	389	1,149	1,132	----------	----------	406
2	Frannie	2	----------	1,033	1,033	----------	----------	----------
25	Fred & George Creek	39	2,672	75,335	75,450	----------	----------	2,557
1	Gage	1	852	297	----------	204	138	807
1	Gage Southwest	1	----------	1,729	----------	1,729	----------	----------
4	Gas City	23	7,250	37,154	37,993	----------	----------	6,411
11	Glendive	15	2,646	35,733	29,761	6,037	----------	2,581
22	Goose Lake	30	4,634	61,105	62,160	----------	----------	3,579
9	Graben Coulee	27	4,494	10,057	8,945	1,042	----------	4,564
...	Grandview	----------	528	----------	----------	----------	----------	528
3	Gypsy Basin	4	1,211	1,913	----------	1,642	59	1,423
5	Hiawatha	6	4,235	36,144	35,029	1,406	----------	3,944
1	Hibbard	1	175	194	----------	----------	----------	369
6	Ivanhoe	10	2,058	11,028	11,059	----------	57	1,970
10	Keg Coulee	27	6,575	16,726	16,800	----------	----------	6,501
3	Keg Coulee North	3	1,907	1,155	1,848	----------	----------	1,214
1	Kelley	2	900	14,004	14,304	----------	----------	600
101	Kevin Sunburst	532	18,561	33,527	32,331	1,952	67	17,738
1	Little Beaver	29	----------	34,723	34,723	----------	----------	----------
2	Little Beaver East	14	2,060	20,055	19,398	----------	----------	2,717
3	Lodge Grass	3	2,690	2,262	----------	2,829	----------	2,123
25	Lookout Butte	75	4,218	141,823	137,467	3,207	----------	5,367
...	Mackay Dome	----------	810	----------	----------	----------	----------	810
2	Mason Lake	2	199	1,749	1,097	----------	----------	851
2	Melstone	4	890	2,028	2,276	----------	----------	642
1	Mineral Bench	1	699	1,351	1,763	----------	----------	287
2	Miner's Coulee	2	342	653	----------	485	----------	510
12	Monarch	15	4,921	25,823	25,324	----------	----------	5,420
2	Mosser	2	----------	317	----------	317	----------	----------
6	Outlook	11	5,874	26,731	----------	25,453	----------	7,152
2	Outlook South	2	1,516	2,057	----------	2,322	----------	1,251
2	Outlook West	2	885	9,450	----------	8,133	----------	2,202
71	Pennel	116	4,883	149,639	149,271	----------	----------	5,251
4	Pine	128	18,806	324,988	325,089	----------	----------	18,705
3	Pole Creek	3	1,037	2,500	----------	2,500	----------	1,037
69	Pondera	290	6,980	28,067	27,517	----------	----------	7,530
4	Poplar	68	9,183	59,363	57,056	----------	12	11,478
4	Poplar Northwest	4	2,148	1,437	1,918	----------	----------	1,667
1	Prairie Elk	1	555	574	----------	----------	231	898
4	Ragged Point	52	3,952	11,121	10,240	----------	----------	4,833
1	Rattlesnake Coulee	1	552	762	395	----------	----------	919
4	Reagan	47	1,033	24,303	24,031	----------	----------	1,305
1	Red Creek	26	----------	27,240	23,362	3,878	----------	----------
1	Red Fox	1	366	10,511	10,491	----------	----------	386
1	Redstone	1	834	5,881	6,211	----------	----------	504
1	Repeat	1	68	1,676	----------	1,596	----------	148
3	Reserve	3	----------	20,030	----------	20,030	----------	----------
1	Richey	1	320	321	344	----------	----------	297
6	Richey Southwest	8	954	7,537	7,402	----------	----------	1,089
7	Sand Creek	9	1,740	12,422	11,986	----------	----------	2,176
1	Shotgun Creek	1	430	731	----------	860	90	211
2	Sidney-Brorson	2	1,422	1,931	----------	1,889	----------	1,464
4	Smoke Creek	5	1,815	3,625	----------	3,295	----------	2,145
1	Snyder	3	1,243	920	----------	1,915	----------	248
6	Soap Creek	17	5,363	5,228	----------	6,103	----------	4,488
1	Spring Lake	2	1,431	2,350	----------	2,369	----------	1,412
2	Stensvad	24	5,106	24,053	26,451	----------	----------	2,708
27	Sumatra	86	10,303	56,070	55,527	----------	----------	10,846
5	Tule Creek	7	2,419	35,679	----------	35,290	----------	2,808
2	Tule Creek East	2	1,488	22,628	----------	23,221	----------	895
2	Tule Creek South	3	1,131	7,253	----------	7,205	13	1,166
2	Vida	2	698	319	185	----------	----------	832
4	Volt	6	1,878	20,085	18,963	----------	----------	3,000
2	Weed Creek	4	859	8,084	8,411	----------	34	498
6	Weldon	13	1,570	83,084	81,697	----------	----------	2,957
4	Whitlash	26	10,025	18,329	18,475	----------	----------	9,879
2	Whitlash West	2	688	721	734	----------	----------	675
2	Wills Creek South	2	689	6,010	5,717	----------	----------	982
6	Wolf Springs	8	5,038	9,220	9,870	----------	70	4,318
4	Woodrow	4	390	3,456	3,382	----------	----------	464
1	Wildcat, Carbon Cty	1	903	29	146	----------	----------	786
1	Wildcat, Daniels Cty	1	310	570	----------	656	----------	224
5	Wildcat, Glacier Cty	5	213	2,149	1,767	----------	2	593
1	Wildcat, Richland Cty	1	834	3,171	----------	1,894	----------	2,111
1	Wildcat, Sheridan Cty	1	841	665	----------	635	----------	871
1	Wildcat, Stillwater Cty	1	1,022	1,085	1,141	----------	----------	966
1	Wildcat, Liberty Cty	2	447	3,476	3,354	----------	----------	569
896	Total	3,554	458,401	3,948,861	3,752,847	189,827	6,789	457,799

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1967	34,949,026	96,778	34,845,434	95,466
January, 1968	3,457,141	111,520	3,437,939	110,901
February, 1968	3,200,008	110,345	3,175,796	109,510
March, 1968	3,948,861	127,382	3,942,674	127,183

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1967	423,176	1,063,477	632,990	2,119,643
January, 1968	437,900	1,040,785	643,133	2,121,818
February, 1968	458,401	1,023,037	642,690	2,124,128
March, 1968	457,799	1,206,686	841,174	2,505,659

*Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF MARCH, 1968

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			3,707				3,707		
BEAR'S DEN—Truck			1,345					1,345	
BELL CREEK—Pipelines		1,210,908					808,385	402,523	
BIG WALL—									
Continental Pipeline Co.		23,961				23,961			
BLACKFOOT—									
Camerland Cardinal Corp.			2,212					2,212	
Union Oil Co.		1,321				1,321			
		1,321	2,212			1,321		2,212	
BORDER—Truck			2,590				2,590		
BOWES—Texaco		16,803				16,803			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	326,753	785,918	10,840	1,223,045			2,000,005		346,551
Shell Pipeline Co.	6,880	326,884			617			329,628	3,519
	333,633	1,112,802	10,840	1,223,045	617		2,000,005	329,628	350,070
CAT CREEK—									
Continental Pipeline Co.		16,190				16,190			
Truck			1,260			1,260			
		16,190	1,260			17,450			
CLARK'S FORK—Truck			179				179		
CUT BANK—									
Continental Pipeline Co.			9,205	298,934				308,139	
Phillips Petroleum Co.	68,825	44,758		70,507	1,442	110,280		30,461	41,907
Texas Pipeline Co.	24,207	126,052		24,464	90			131,828	42,805
Union Oil Co.	55,386	79,767		37,475	781	107,990			63,857
Western Oil Trans. Co.		56,459						56,459	
Western Oil Trans. (Moulton)		52,803						52,803	
	148,418	359,839	9,205	431,380	2,313	218,270		579,690	148,569
DELPHIA—Truck			396			396			
DEVIL'S BASIN—Truck			195				195		
DWYER—Portal Pipeline Co.		21,570					21,570		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		228,267				228,267			
FAIRVIEW—Truck			7,643				7,643		
FLAT COULEE—									
Camerland Cardinal Corp.		18,087				18,087			
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		70,588					70,588		
FRANNIE—Interstate Pipeline Co.		1,033					1,033		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	25,045	75,756				67,136		20,361	13,304
GAGE & GAGE S.W.—Truck			1,933			1,758	175		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	9,481	35,858			406			36,121	8,812
GOOSE LAKE—									
Portal Pipeline Co.		60,701					60,701		
HIAWATHA—Truck			1,406				1,406		
Continental Pipeline		35,029					35,029		
		35,029	1,406				36,435		
IVANHOE—									
Continental Pipeline Co.		11,444				9,565	1,879		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		18,857				15,230	3,627		
KELLEY—									
Continental Pipeline Co.		14,304				14,304			
KEVIN SUNBURST—									
Big West Oil Co.	5,625	23,856				23,593			5,888
Homestake Oil & Gas Co.	2,923	1,235						3,312	846
Texas Pipeline Co	7,252	11,382			(49)			11,516	7,167
	15,800	36,473			(49)	23,593		14,828	13,901
LODGE GRASS—Truck			2,829			2,829			
MASON LAKE—									
Continental Pipeline Co.		1,762				1,762			
MELSTONE—									
Continental Pipeline Co.		2,276				2,276			
MOSSER—Truck			317				317		
OUTLOOK & OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			35,908				35,908		
POLE CREEK—Truck			2,500				2,500		
PONDERA—Phillips Petr. Co.	17,253	29,276		30,461	960	29,000			47,030
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	20,612	148,032			107			154,421‡	14,116
RAGGED POINT—									
Continental Pipeline Co.		11,437				3,172	8,265		
RED CREEK—									
Western Oil Transportation Co.		32,988						32,988	
RESERVE—Truck			20,030				20,030		
SHOTGUN CREEK—Truck			860				860		
SIDNEY-BRORSON—Truck			1,889					1,889	
SMOKE CREEK—									
Rock Island Oil & Ref. Co.			3,295				3,295		
SNYDER—Truck			1,915			1,915			
SOAP CREEK—Truck			6,103				6,103		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,369				2,369		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	444,311	80,521		770,463	10,891	63,491		619,540	601,373
TULE CREEK—									
Tesero Petr. Corp.	8,484		65,716			64,689			9,511
WEED CREEK—									
Continental Pipeline Co.		8,311				8,311			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		20,745				20,745			
WOLF SPRINGS—									
Continental Pipeline Co.		9,870				9,870			
WILDCAT WELLS—Truck			3,185				3,185		
TOTALS	1,023,037	3,715,009	189,827	2,455,349	15,245	864,201	3,101,544	2,195,546	1,206,686

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MARCH, 1968

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Bowes			20,562							20,562
Cat Creek		8,725		7,094						15,819
Cut Bank	4,836						89,975		96,370	191,181
Elk Basin		91,082		4,025	77,535					172,642
Flat Coulee									18,087	18,087
Fred & George Creek	67,134									67,134
Ivanhoe		9,565								9,565
Keg Coulee		7,541		7,689						15,230
Kelley					14,304					14,304
Kevin Sunburst	23,593									23,593
Lodge Grass		2,829								2,829
Mason Lake		1,762								1,762
Melstone				2,276						2,276
Pondera							29,000			29,000
Ragged Point				3,172						3,172
Snyder		1,915								1,915
Sumatra & Stensvad		15,307		10,125	13,143					38,575
Tule Creek								66,559		66,559
Weed Creek					8,311					8,311
Whitlash							20,745			20,745
Wolf Springs					9,870					9,870
Total Montana Oil	95,563	138,726	20,562	34,381	123,163		139,720	66,559	114,457	733,131
Canadian Oil Imported		298,934			19,193					318,127
Wyoming Oil Imported		681,559		370,026	967,493					2,019,078
Total Montana, Canadian, and Wyoming Oil	95,563	1,119,219	20,562	404,407	1,109,849		139,720	66,559	114,457	3,070,336

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1967	29,156	13,866	58,527	101,549
March, 1967	31,316	16,884	52,154	100,354
March, 1968	23,649	10,262	65,132	99,043

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
28.71%	13.65%	57.64%
31.20%	16.84%	51.96%
23.88%	10.36%	65.76%